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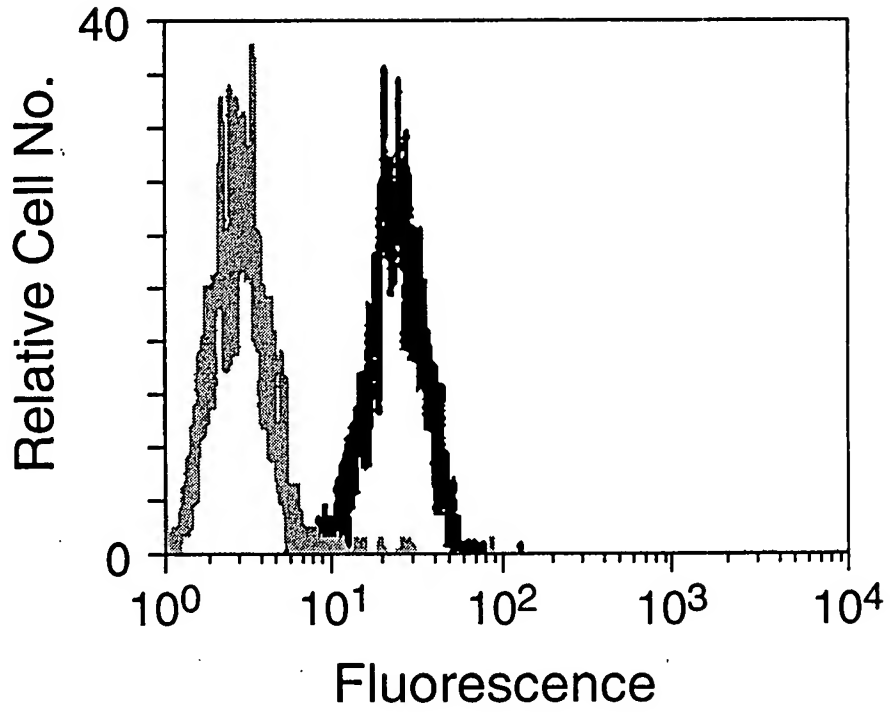
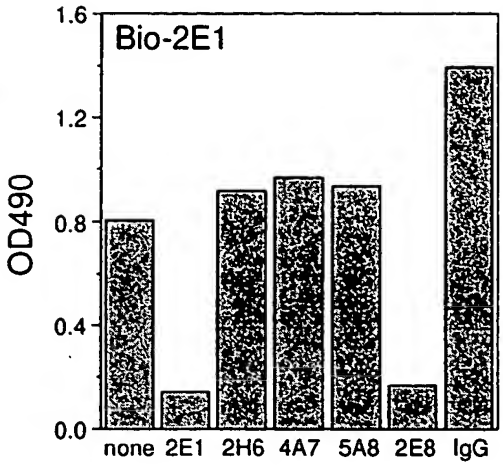


Fig. 1

Fig. 2A



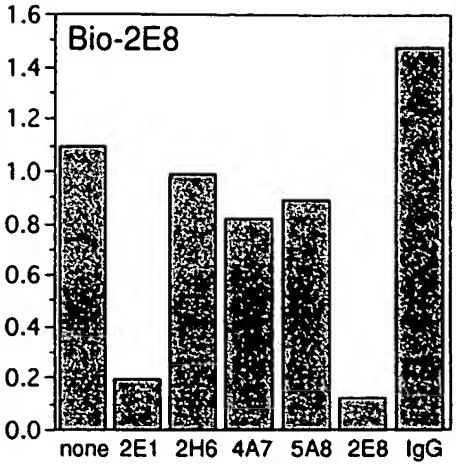
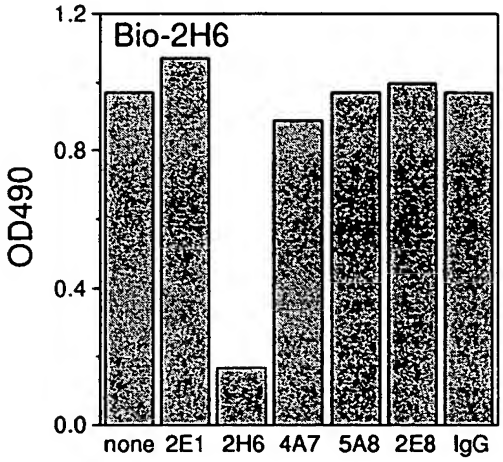


Fig. 2B

Fig. 2C



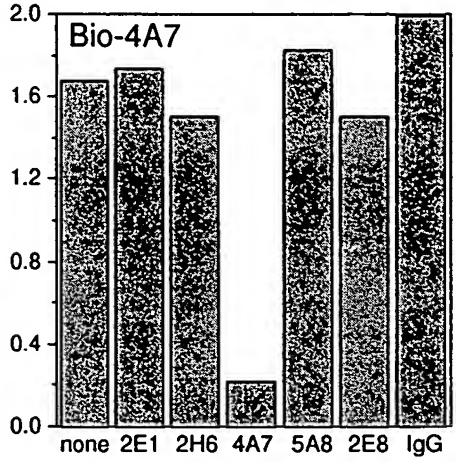


Fig. 2D

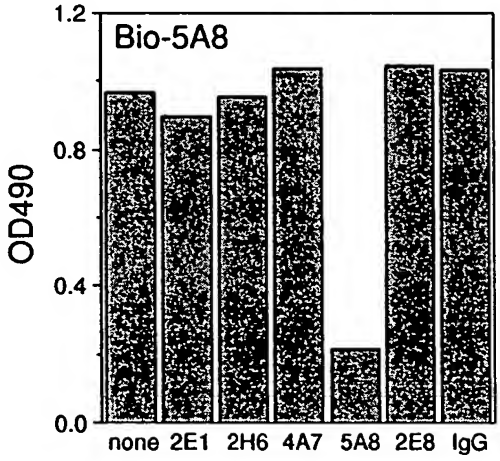
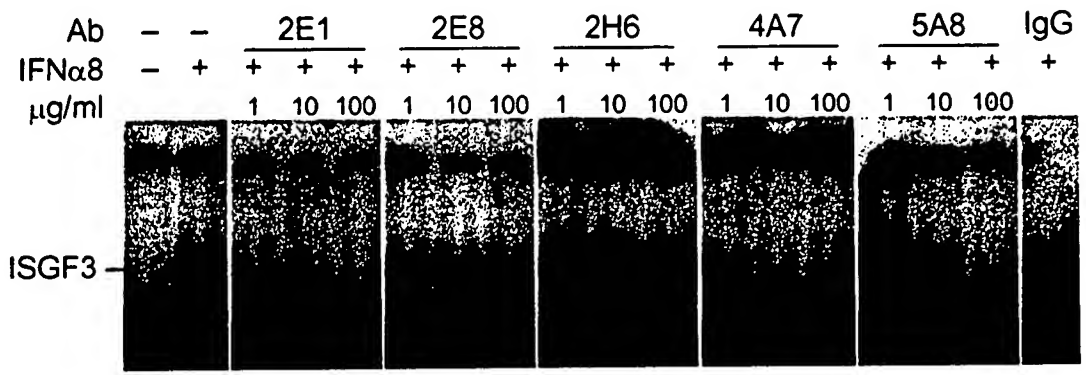


Fig. 2E



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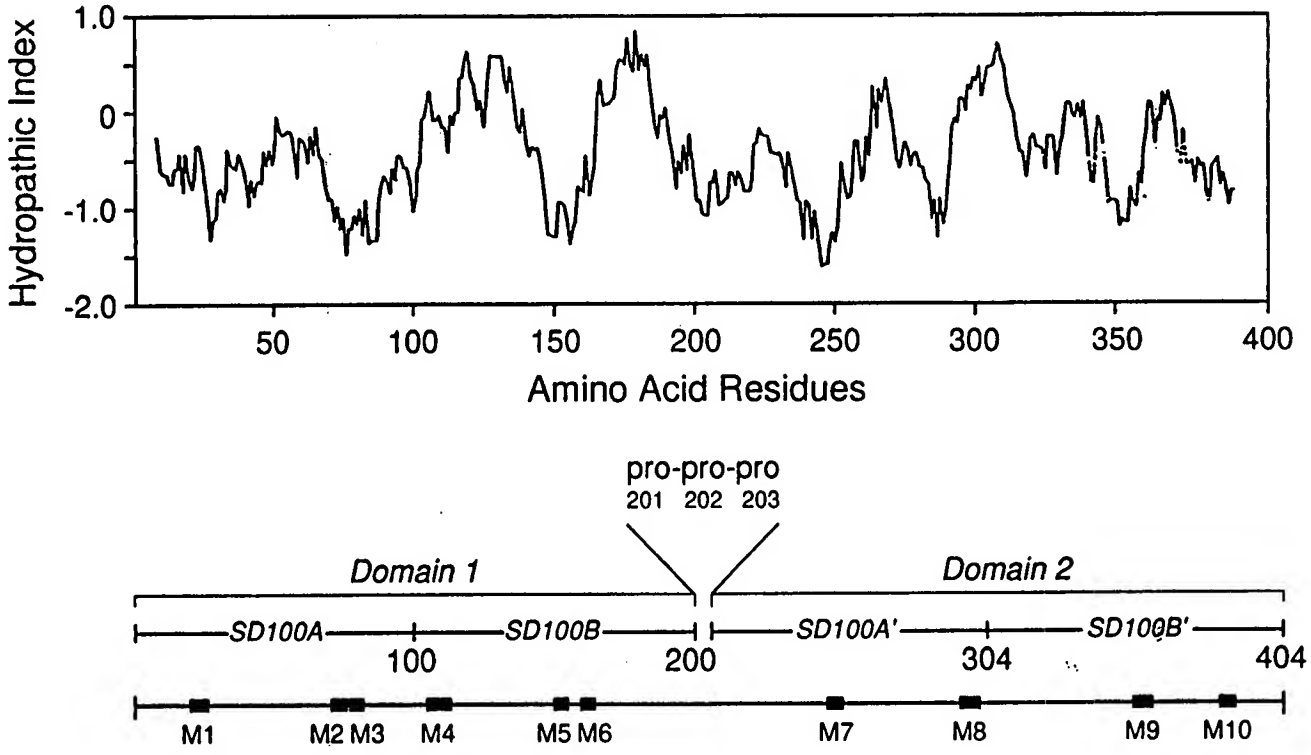
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Domain 2
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SD100B
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Fig. 4

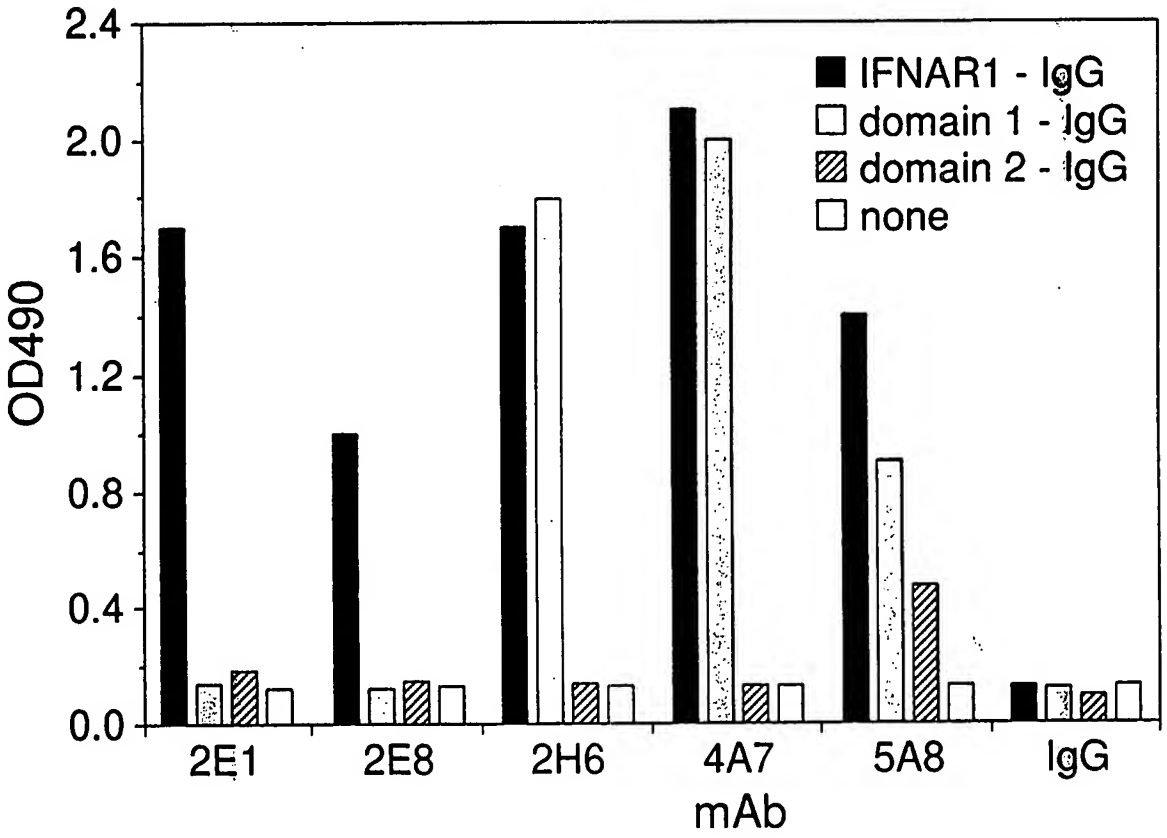
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Fig. 5

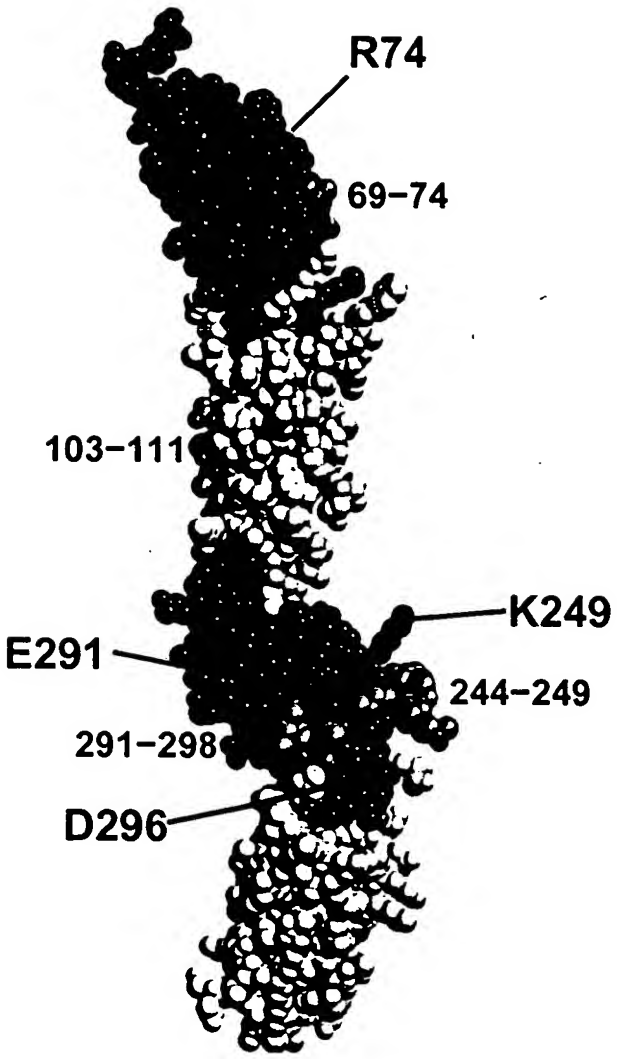

Fig. 6

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     CTTAAGGCAT TGACCACCCT AGACGCCGCC GAGGGTCTAC TACCAGCAGG AGGACCCGCG CTGCTGGGAT CACGAGCAGC GGCACCGCGG TACCCACAAC

 101 TCCGCAGCCG CAGGTGGAAA AAATCTAAAA TCTCCTCAAA AAGTAGAGGT CGACATCATA GATGACAACT TTATCCTGAG GTGGAACAGG AGCGATGAGT
     AGGCGTCGGC GTCCACCTTT TTTAGATTTT AGAGGAGTTT TTCATCTCCA GCTGTAGTAT CTACTGTTGA AATAGGACTC CACCTTGTCC TCGCTACTCA
   1                         LeuLys SerProGlnL ysValGluVa lAspIleIle AspAspAsnP heIleLeuAr gTrpAsnArg SerAspGluSer
                                    D1

 201 CTGTCGGGAA TGTGACTTTT TCATTCGATT ATCAAAAAAC TGGGATGGAT AATTGGATAA AATTGTCTGG GTGTCAGAAT ATTACTAGTA CCAAATGCAA
     GACAGCCCTT ACACTGAAAA AGTAAGCTAA TAGTTTTTTG ACCCTACCTA TTAACCTATT TTAACAGACC CACAGTCTTA TAATGATCAT GGTTTACGTT
  27   ValGlyAs nValThrPhe SerPheAspT yrGlnLysTh rGlyMetAsp AsnTrpIleL ysLeuSerGl yCysGlnAsn IleThrSerT hrLysCysAsn

 301 CTTTTCTTCA CTCAAGCTGA ATGTTTATGA AGAAATTAAA TTGCGTATAA GAGCAGAAAA AGAAAACACT TCTTCATGGT ATGAGGTTGA CTCATTTACA
     GAAAAGAAGT GAGTTCGACT TACAAATACT TCTTTAATTT AACGCATATT CTCGTCTTTT TCTTTTGTGA AGAAGTACCA TACTCCAACT GAGTAAATGT
  60  PheSerSer LeuLysLeuA snValTyrGl uGluIleLys LeuArgIleA rgAlaGluLy sGluAsnThr SerSerTrpT yrGluValAs pSerPheThr

 401 CCATTTCGCA AAGCTCAGAT TGGTCCTCCA GAAGTACATT TAGAAGCTGA AGATAAGGCA ATAGTGATAC ACATCTCTCC TGGAACAAAA GATAGTGTTA
     GGTAAAGCGT TTCGAGTCTA ACCAGGAGGT CTTCATGTAA ATCTTCGACT TCTATTCCGT TATCACTATG TGTAGAGAGG ACCTTGTTTT CTATCACAAT
  93 ProPheArgL ysAlaGlnIl eGlyProPro GluValHisL euGluAlaGl uAspLysAla IleValIleH isIleSerPr oGlyThrLys AspSerValMet

 501 TGTGGGCTTT GGATGGTTTA AGCTTTACAT ATAGCTTACT TATCTGGAAA AACTCTTCAG GTGTAGAAGA AAGGATTGAA AATATTTATT CCAGACATAA
     ACACCCGAAA CCTACCAAAT TCGAAATGTA TATCGAATGA ATAGACCTTT TTGAGAAGTC CACATCTTCT TTCCTAACTT TTATAAATAA GGTCTGTATT
 127   TrpAlaLe uAspGlyLeu SerPheThrT yrSerLeuLe uIleTrpLys AsnSerSerG lyValGluGl uArgIleGlu AsnIleTyrS erArgHisLys

 601 AATTTATAAA CTCTCACCAG AGACTACTTA TTGTCTAAAA GTTAAAGCAG CACTACTTAC GTCATGGAAA ATTGGTGTCT ATAGTCCAGT ACATTGTATA
     TTAAATATTT GAGAGTGGTC TCTGATGAAT AACAGATTTT CAATTTCGTC GTGATGAATG CAGTACCTTT TAACCACAGA TATCAGGTCA TGTAACATAT
 160  IleTyrLys LeuSerProG luThrThrTy rCysLeuLys ValLysAlaA laLeuLeuTh rSerTrpLys IleGlyValT yrSerProVa lHisCysIle

 701 AAGACCACAG TTGAAAATGA ACTACCTCCA CCAGAAAATA TAGAAGTCAG TGTCCAAAAT CAGAACTATG TTCTTAAATG GGATTATACA TATGCAAACA
     TTCTGGTGTC AACTTTTACT TGATGGAGGT GGTCTTTTAT ATCTTCAGTC ACAGGTTTTA GTCTTGATAC AAGAATTTAC CCTAATATGT ATACGTTTGT
 193 LysThrThrV alGluAsnGl uLeuProPro ProGluAsnI leGluValSe rValGlnAsn GlnAsnTyrV alLeuLysTr pAspTyrThr TyrAlaAsnMet
                  D1       D2

 801 TGACCTTTCA AGTTCAGTGG CTCCACGCCT TTTTAAAAAG GAATCCTGGA AACCATTTGT ATAAATGGAA ACAAATACCT GACTGTGAAA ATGTCAAAAC
     ACTGGAAAGT TCAAGTCACC GAGGTGCGGA AAAATTTTTC CTTAGGACCT TTGGTAAACA TATTTACCTT TGTTTATGGA CTGACACTTT TACAGTTTTG
 227   ThrPheGl nValGlnTrp LeuHisAlaP heLeuLysAr gAsnProGly AsnHisLeuT yrLysTrpLy sGlnIlePro AspCysGluA snValLysThr

 901 TACCCAGTGT GTCTTTCCTC AAAACGTTTT CCAAAAAGGA ATTTACCTTC TCCGCGTACA AGCATCTGAT GGAAATAACA CATCTTTTTG GTCTGAAGAG
     ATGGGTCACA CAGAAAGGAG TTTTGCAAAA GGTTTTTCCT TAAATGGAAG AGGCGCATGT TCGTAGACTA CCTTTATTGT GTAGAAAAAC CAGACTTCTC
 260  ThrGlnCys ValPheProG lnAsnValPh eGlnLysGly IleTyrLeuL euArgValGl nAlaSerAsp GlyAsnAsnT hrSerPheTr pSerGluGlu
```

Fig. 7A

```
1001 ATAAAGTTTG ATACTGAAAT ACAAGCTTTC CTACTTCCTC CAGTCTTTAA CATTAGATCC CTTAGTGATT CATTCCATAT CTATATCGGT GCTCCAAAAC
     TATTTCAAAC TATGACTTTA TGTTCGAAAG GATGAAGGAG GTCAGAAATT GTAATCTAGG GAATCACTAA GTAAGGTATA GATATAGCCA CGAGGTTTTG
 293 IleLysPheA spThrGluIl eGlnAlaPhe LeuLeuProP roValPheAs nIleArgSer LeuSerAspS erPheHisIl eTyrIleGly AlaProLysGln

1101 AGTCTGGAAA CACGCCTGTG ATCCAGGATT ATCCACTGAT TTATGAAATT ATTTTTTGGG AAAACACTTC AAATGCTGAG AGAAAAATTA TCGAGAAAAA
     TCAGACCTTT GTGCGGACAC TAGGTCCTAA TAGGTGACTA AATACTTTAA TAAAAAACCC TTTTGTGAAG TTTACGACTC TCTTTTTAAT AGCTCTTTTT
 327   SerGlyAs nThrProVal IleGlnAspT yrProLeuIl eTyrGluIle IlePheTrpG luAsnThrSe rAsnAlaGlu ArgLysIleI leGluLysLys

1201 AACTGATGTT ACAGTTCCTA ATTTGAAACC ACTGACTGTA TATTGTGTGA AAGCCAGAGC ACACACCATG GATGAAAAGC TGAATAAAAG CAGTGTTTTT
     TTGACTACAA TGTCAAGGAT TAAACTTTGG TGACTGACAT ATAACACACT TTCGGTCTCG TGTGTGGTAC CTACTTTTCG ACTTATTTTC GTCACAAAAA
 360  ThrAspVal ThrValProA snLeuLysPr oLeuThrVal TyrCysValL ysAlaArgAl aHisThrMet AspGluLysL euAsnLysSe rSerValPhe

1301 AGTGACGCTG TATGTGAGAA AACAAAACCA GGAAATGACA AAACTCACAC ATGCCCACCG TGCCCAGCAC CTGAACTCCT GGGGGGACCG TCAGTCTTCC
     TCACTGCGAC ATACACTCTT TTGTTTTGGT CCTTTACTGT TTTGAGTGTG TACGGGTGGC ACGGGTCGTG GACTTGAGGA CCCCCCTGGC AGTCAGAAGG
 393 SerAspAlaV alCysGluLy sThrLysPro GlyAsnAspL ysThrHisTh rCysProPro CysProAlaP roGluLeuLe uGlyGlyPro SerValPheLeu
                                  D2

1401 TCTTCCCCCC AAAACCCAAG GACACCCTCA TGATCTCCCG GACCCCTGAG GTCACATGCG TGGTGGTGGA CGTGAGCCAC GAAGACCCTG AGGTCAAGTT
     AGAAGGGGGG TTTTGGGTTC CTGTGGGAGT ACTAGAGGGC CTGGGGACTC CAGTGTACGC ACCACCACCT GCACTCGGTG CTTCTGGGAC TCCAGTTCAA
 427   PheProPr oLysProLys AspThrLeuM etIleSerAr gThrProGlu ValThrCysV alValValAs pValSerHis GluAspProG luValLysPhe

1501 CAACTGGTAC GTGGACGGCG TGGAGGTGCA TAATGCCAAG ACAAAGCCGC GGGAGGAGCA GTACAACAGC ACGTACCGAG TGGTCAGCGT CCTCACCGTC
     GTTGACCATG CACCTGCCGC ACCTCCACGT ATTACGGTTC TGTTTCGGCG CCCTCCTCGT CATGTTGTCG TGCATGGCTC ACCAGTCGCA GGAGTGGCAG
 460  AsnTrpTyr ValAspGlyV alGluValHi sAsnAlaLys ThrLysProA rgGluGluGl nTyrAsnSer ThrTyrArgV alValSerVa lLeuThrVal

1601 CTGCACCAGG ACTGGCTGAA TGGCAAGGAG TACAAGTGCA AGGTCTCCAA CAAAGCCCTC CCAGCCCCCA TCGAGAAAAC CATCTCCAAA GCCAAAGGGC
     GACGTGGTCC TGACCGACTT ACCGTTCCTC ATGTTCACGT TCCAGAGGTT GTTTCGGGAG GGTCGGGGGT AGCTCTTTTG GTAGAGGTTT CGGTTTCCCG
 493 LeuHisGlnA spTrpLeuAs nGlyLysGlu TyrLysCysL ysValSerAs nLysAlaLeu ProAlaProI leGluLysTh rIleSerLys AlaLysGlyGln

1701 AGCCCCGAGA ACCACAGGTG TACACCCTGC CCCCATCCCG GGAAGAGATG ACCAAGAACC AGGTCAGCCT GACCTGCCTG GTCAAAGGCT TCTATCCCAG
     TCGGGGCTCT TGGTGTCCAC ATGTGGGACG GGGGTAGGGC CCTTCTCTAC TGGTTCTTGG TCCAGTCGGA CTGGACGGAC CAGTTTCCGA AGATAGGGTC
 527   ProArgGl uProGlnVal TyrThrLeuP roProSerAr gGluGluMet ThrLysAsnG lnValSerLe uThrCysLeu ValLysGlyP heTyrProSer

1801 CGACATCGCC GTGGAGTGGG AGAGCAATGG GCAGCCGGAG AACAACTACA AGACCACGCC TCCCGTGCTG GACTCCGACG GCTCCTTCTT CCTCTACAGC
     GCTGTAGCGG CACCTCACCC TCTCGTTACC CGTCGGCCTC TTGTTGATGT TCTGGTGCGG AGGGCACGAC CTGAGGCTGC CGAGGAAGAA GGAGATGTCG
 560  AspIleAla ValGluTrpG luSerAsnGl yGlnProGlu AsnAsnTyrL ysThrThrPr oProValLeu AspSerAspG lySerPhePh eLeuTyrSer

1901 AAGCTCACCG TGGACAAGAG CAGGTGGCAG CAGGGGAACG TCTTCTCATG CTCCGTGATG CATGAGGCTC TGCACAACCA CTACACGCAG AAGAGCCTCT
     TTCGAGTGGC ACCTGTTCTC GTCCACCGTC GTCCCCTTGC AGAAGAGTAC GAGGCACTAC GTACTCCGAG ACGTGTTGGT GATGTGCGTC TTCTCGGAGA
 593 LysLeuThrV alAspLysSe rArgTrpGln GlnGlyAsnV alPheSerCy sSerValMet HisGluAlaL euHisAsnHi sTyrThrGln LysSerLeuSer
```

Fig. 7B

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     GGGACAGAGG CCCATTTACT CACGCTGCCG GGATCTCAGC TGGACGTCTT CGAATCTTGG CTCCCCGGCG GTACCGGGTT GAACAAATAA CGTCGAATAT
 627   LeuSerPr oGlyLysOP*

2101 ATGGTTACAA ATAAAGCAAT AGCATCACAA ATTTCACAAA TAAAGCATTT TTTTCACTGC ATTCTAGTTG TGGTTTGTCC AAACTCATCA ATGTATCTTA
     TACCAATGTT TATTTCGTTA TCGTAGTGTT TAAAGTGTTT ATTTCGTAAA AAAAGTGACG TAAGATCAAC ACCAAACAGG TTTGAGTAGT TACATAGAAT

2201 TCATGTCTGG ATCGATCGGG AATTAATTCG GCGCAGCACC ATGGCCTGAA ATAACCTCTG AAAGAGGAAC TTGGTTAGGT ACCTTCTGAG GCGGAAAGAA
     AGTACAGACC TAGCTAGCCC TTAATTAAGC CGCGTCGTGG TACCGGACTT TATTGGAGAC TTTCTCCTTG AACCAATCCA TGGAAGACTC CGCCTTTCTT

2301 CCAGCTGTGG AATGTGTGTC AGTTAGGGTG TGGAAAGTCC CCAGGCTCCC CAGCAGGCAG AAGTATGCAA AGCATGCATC TCAATTAGTC AGCAACCAGG
     GGTCGACACC TTACACACAG TCAATCCCAC ACCTTTCAGG GGTCCGAGGG GTCGTCCGTC TTCATACGTT TCGTACGTAG AGTTAATCAG TCGTTGGTCC

2401 TGTGGAAAGT CCCCAGGCTC CCCAGCAGGC AGAAGTATGC AAAGCATGCA TCTCAATTAG TCAGCAACCA TAGTCCCGCC CCTAACTCCG CCCATCCCGC
     ACACCTTTCA GGGGTCCGAG GGGTCGTCCG TCTTCATACG TTTCGTACGT AGAGTTAATC AGTCGTTGGT ATCAGGGCGG GGATTGAGGC GGGTAGGGCG

2501 CCCTAACTCC GCCCAGTTCC GCCCATTCTC CGCCCCATGG CTGACTAATT TTTTTTATTT ATGCAGAGGC CGAGGCCGCC TCGGCCTCTG AGCTATTCCA
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2601 GAAGTAGTGA GGAGGCTTTT TTGGAGGCCT AGGCTTTTGC AAAAAGCTGT TAACAGCTTG GCACTGGCCG TCGTTTTACA ACGTCGTGAC TGGGAAAACC
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2801 TAGCCTGAAT GGCGAATGGC GCCTGATGCG GTATTTTCTC CTTACGCATC TGTGCGGTAT TTCACACCGC ATACGTCAAA GCAACCATAG TACGCGCCCT
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2901 GTAGCGGCGC ATTAAGCGCG GCGGGTGTGG TGGTTACGCG CAGCGTGACC GCTACACTTG CCAGCGCCCT AGCGCCCGCT CCTTTCGCTT TCTTCCCTTC
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3001 CTTTCTCGCC ACGTTCGCCG GCTTTCCCCG TCAAGCTCTA AATCGGGGGC TCCCTTTAGG GTTCCGATTT AGTGCTTTAC GGCACCTCGA CCCCAAAAAA
     GAAAGAGCGG TGCAAGCGGC CGAAAGGGGC AGTTCGAGAT TTAGCCCCCG AGGGAAATCC CAAGGCTAAA TCACGAAATG CCGTGGAGCT GGGGTTTTTT

3101 CTTGATTTGG GTGATGGTTC ACGTAGTGGG CCATCGCCCT GATAGACGGT TTTTCGCCCT TTGACGTTGG AGTCCACGTT CTTTAATAGT GGACTCTTGT
     GAACTAAACC CACTACCAAG TGCATCACCC GGTAGCGGGA CTATCTGCCA AAAAGCGGGA AACTGCAACC TCAGGTGCAA GAAATTATCA CCTGAGAACA

3201 TCCAAACTGG AACAACACTC AACCCTATCT CGGGCTATTC TTTTGATTTA TAAGGGATTT TGCCGATTTC GGCCTATTGG TTAAAAAATG AGCTGATTTA
     AGGTTTGACC TTGTTGTGAG TTGGGATAGA GCCCGATAAG AAAACTAAAT ATTCCCTAAA ACGGCTAAAG CCGGATAACC AATTTTTTAC TCGACTAAAT
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Fig. 7C

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     TGTTTTTAAA TTGCGCTTAA AATTGTTTTA TAATTGCAAA TGTTAAAATA CCACGTGAGA GTCATGTTAG ACGAGACTAC GGCGTATCAA TTCGGTTGAG

3401 CGCTATCGCT ACGTGACTGG GTCATGGCTG CGCCCCGACA CCCGCCAACA CCCGCTGACG CGCCCTGACG GGCTTGTCTG CTCCCGGCAT CCGCTTACAG
     GCGATAGCGA TGCACTGACC CAGTACCGAC GCGGGGCTGT GGGCGGTTGT GGGCGACTGC GCGGGACTGC CCGAACAGAC GAGGGCCGTA GGCGAATGTC

3501 ACAAGCTGTG ACCGTCTCCG GGAGCTGCAT GTGTCAGAGG TTTTCACCGT CATCACCGAA ACGCGCGAGG CAGTATTCTT GAAGACGAAA GGGCCTCGTG
     TGTTCGACAC TGGCAGAGGC CCTCGACGTA CACAGTCTCC AAAAGTGGCA GTAGTGGCTT TGCGCGCTCC GTCATAAGAA CTTCTGCTTT CCCGGAGCAC

3601 ATACGCCTAT TTTTATAGGT TAATGTCATG ATAATAATGG TTTCTTAGAC GTCAGGTGGC ACTTTTCGGG GAAATGTGCG CGGAACCCCT ATTTGTTTAT
     TATGCGGATA AAAATATCCA ATTACAGTAC TATTATTACC AAAGAATCTG CAGTCCACCG TGAAAAGCCC CTTTACACGC GCCTTGGGGA TAAACAAATA

3701 TTTTCTAAAT ACATTCAAAT ATGTATCCGC TCATGAGACA ATAACCCTGA TAAATGCTTC AATAATATTG AAAAAGGAAG AGTATGAGTA TTCAACATTT
     AAAAGATTTA TGTAAGTTTA TACATAGGCG AGTACTCTGT TATTGGGACT ATTTACGAAG TTATTATAAC TTTTTCCTTC TCATACTCAT AAGTTGTAAA

3801 CCGTGTCGCC CTTATTCCCT TTTTTGCGGC ATTTTGCCTT CCTGTTTTTG CTCACCCAGA AACGCTGGTG AAAGTAAAAG ATGCTGAAGA TCAGTTGGGT
     GGCACAGCGG GAATAAGGGA AAAAACGCCG TAAAACGGAA GGACAAAAAC GAGTGGGTCT TTGCGACCAC TTTCATTTTC TACGACTTCT AGTCAACCCA

3901 GCACGAGTGG GTTACATCGA ACTGGATCTC AACAGCGGTA AGATCCTTGA GAGTTTTCGC CCCGAAGAAC GTTTTCCAAT GATGAGCACT TTTAAAGTTC
     CGTGCTCACC CAATGTAGCT TGACCTAGAG TTGTCGCCAT TCTAGGAACT CTCAAAAGCG GGGCTTCTTG CAAAAGGTTA CTACTCGTGA AAATTTCAAG

4001 TGCTATGTGG CGCGGTATTA TCCCGTGATG ACGCCGGGCA AGAGCAACTC GGTCGCCGCA TACACTATTC TCAGAATGAC TTGGTTGAGT ACTCACCAGT
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4101 CACAGAAAAG CATCTTACGG ATGGCATGAC AGTAAGAGAA TTATGCAGTG CTGCCATAAC CATGAGTGAT AACACTGCGG CCAACTTACT TCTGACAACG
     GTGTCTTTTC GTAGAATGCC TACCGTACTG TCATTCTCTT AATACGTCAC GACGGTATTG GTACTCACTA TTGTGACGCC GGTTGAATGA AGACTGTTGC

4201 ATCGGAGGAC CGAAGGAGCT AACCGCTTTT TTGCACAACA TGGGGGATCA TGTAACTCGC CTTGATCGTT GGGAACCGGA GCTGAATGAA GCCATACCAA
     TAGCCTCCTG GCTTCCTCGA TTGGCGAAAA AACGTGTTGT ACCCCCTAGT ACATTGAGCG GAACTAGCAA CCCTTGGCCT CGACTTACTT CGGTATGGTT

4301 ACGACGAGCG TGACACCACG ATGCCAGCAG CAATGGCAAC AACGTTGCGC AAACTATTAA CTGGCGAACT ACTTACTCTA GCTTCCCGGC AACAATTAAT
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4401 AGACTGGATG GAGGCGGATA AAGTTGCAGG ACCACTTCTG CGCTCGGCCC TTCCGGCTGG CTGGTTTATT GCTGATAAAT CTGGAGCCGG TGAGCGTGGG
     TCTGACCTAC CTCCGCCTAT TTCAACGTCC TGGTGAAGAC GCGAGCCGGG AAGGCCGACC GACCAAATAA CGACTATTTA GACCTCGGCC ACTCGCACCC

4501 TCTCGCGGTA TCATTGCAGC ACTGGGGCCA GATGGTAAGC CCTCCCGTAT CGTAGTTATC TACACGACGG GGAGTCAGGC AACTATGGAT GAACGAAATA
     AGAGCGCCAT AGTAACGTCG TGACCCCGGT CTACCATTCG GGAGGGCATA GCATCAATAG ATGTGCTGCC CCTCAGTCCG TTGATACCTA CTTGCTTTAT

4601 GACAGATCGC TGAGATAGGT GCCTCACTGA TTAAGCATTG GTAACTGTCA GACCAAGTTT ACTCATATAT ACTTTAGATT GATTTAAAAC TTCATTTTTA
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```

Fig. 7D

```
4701 ATTTAAAAGG ATCTAGGTGA AGATCCTTTT TGATAATCTC ATGACCAAAA TCCCTTAACG TGAGTTTTCG TTCCACTGAG CGTCAGACCC CGTAGAAAAG
     TAAATTTTCC TAGATCCACT TCTAGGAAAA ACTATTAGAG TACTGGTTTT AGGGAATTGC ACTCAAAAGC AAGGTGACTC GCAGTCTGGG GCATCTTTTC

4801 ATCAAAGGAT CTTCTTGAGA TCCTTTTTTT CTGCGCGTAA TCTGCTGCTT GCAAACAAAA AAACCACCGC TACCAGCGGT GGTTTGTTTG CCGGATCAAG
     TAGTTTCCTA GAAGAACTCT AGGAAAAAAA GACGCGCATT AGACGACGAA CGTTTGTTTT TTTGGTGGCG ATGGTCGCCA CCAAACAAAC GGCCTAGTTC

4901 AGCTACCAAC TCTTTTTCCG AAGGTAACTG GCTTCAGCAG AGCGCAGATA CCAAATACTG TCCTTCTAGT GTAGCCGTAG TTAGGCCACC ACTTCAAGAA
     TCGATGGTTG AGAAAAAGGC TTCCATTGAC CGAAGTCGTC TCGCGTCTAT GGTTTATGAC AGGAAGATCA CATCGGCATC AATCCGGTGG TGAAGTTCTT

5001 CTCTGTAGCA CCGCCTACAT ACCTCGCTCT GCTAATCCTG TTACCAGTGG CTGCTGCCAG TGGCGATAAG TCGTGTCTTA CCGGGTTGGA CTCAAGACGA
     GAGACATCGT GGCGGATGTA TGGAGCGAGA CGATTAGGAC AATGGTCACC GACGACGGTC ACCGCTATTC AGCACAGAAT GGCCCAACCT GAGTTCTGCT

5101 TAGTTACCGG ATAAGGCGCA GCGGTCGGGC TGAACGGGGG GTTCGTGCAC ACAGCCCAGC TTGGAGCGAA CGACCTACAC CGAACTGAGA TACCTACAGC
     ATCAATGGCC TATTCCGCGT CGCCAGCCCG ACTTGCCCCC CAAGCACGTG TGTCGGGTCG AACCTCGCTT GCTGGATGTG GCTTGACTCT ATGGATGTCG

5201 GTGAGCATTG AGAAAGCGCC ACGCTTCCCG AAGGGAGAAA GGCGGACAGG TATCCGGTAA GCGGCAGGGT CGGAACAGGA GAGCGCACGA GGGAGCTTCC
     CACTCGTAAC TCTTTCGCGG TGCGAAGGGC TTCCCTCTTT CCGCCTGTCC ATAGGCCATT CGCCGTCCCA GCCTTGTCCT CTCGCGTGCT CCCTCGAAGG

5301 AGGGGGAAAC GCCTGGTATC TTTATAGTCC TGTCGGGTTT CGCCACCTCT GACTTGAGCG TCGATTTTTG TGATGCTCGT CAGGGGGGCG GAGCCTATGG
     TCCCCCTTTG CGGACCATAG AAATATCAGG ACAGCCCAAA GCGGTGGAGA CTGAACTCGC AGCTAAAAAC ACTACGAGCA GTCCCCCCGC CTCGGATACC

5401 AAAAACGCCA GCAACGCGGC CTTTTTACGG TTCCTGGCCT TTTGCTGGCC TTTTGCTCAC ATGTTCTTTC CTGCGTTATC CCCTGATTCT GTGGATAACC
     TTTTTGCGGT CGTTGCGCCG GAAAAATGCC AAGGACCGGA AAACGACCGG AAAACGAGTG TACAAGAAAG GACGCAATAG GGGACTAAGA CACCTATTGG

5501 GTATTACCGC CTTTGAGTGA GCTGATACCG CTCGCCGCAG CCGAACGACC GAGCGCAGCG AGTCAGTGAG CGAGGAAGCG GAAGAGCGCC CAATACGCAA
     CATAATGGCG GAAACTCACT CGACTATGGC GAGCGGCGTC GGCTTGCTGG CTCGCGTCGC TCAGTCACTC GCTCCTTCGC CTTCTCGCGG GTTATGCGTT

5601 ACCGCCTCTC CCCGCGCGTT GGCCGATTCA TTAATCCAGC TGGCACGACA GGTTTCCCGA CTGGAAAGCG GGCAGTGAGC GCAACGCAAT TAATGTGAGT
     TGGCGGAGAG GGGCGCGCAA CCGGCTAAGT AATTAGGTCG ACCGTGCTGT CCAAAGGGCT GACCTTTCGC CCGTCACTCG CGTTGCGTTA ATTACACTCA

5701 TACCTCACTC ATTAGGCACC CCAGGCTTTA CACTTTATGC TTCCGGCTCG TATGTTGTGT GGAATTGTGA GCGGATAACA ATTTCACACA GGAAACAGCT
     ATGGAGTGAG TAATCCGTGG GGTCCGAAAT GTGAAATACG AAGGCCGAGC ATACAACACA CCTTAACACT CGCCTATTGT TAAAGTGTGT CCTTTGTCGA

5801 ATGACCATGA TTACGAATTA ATTCGAGCTC GCCCGACATT GATTATTGAC TAGTTATTAA TAGTAATCAA TTACGGGGTC ATTAGTTCAT AGCCCATATA
     TACTGGTACT AATGCTTAAT TAAGCTCGAG CGGGCTGTAA CTAATAACTG ATCAATAATT ATCATTAGTT AATGCCCCAG TAATCAAGTA TCGGGTATAT

5901 TGGAGTTCCG CGTTACATAA CTTACGGTAA ATGGCCCGCC TGGCTGACCG CCCAACGACC CCCGCCCATT GACGTCAATA ATGACGTATG TTCCCATAGT
     ACCTCAAGGC GCAATGTATT GAATGCCATT TACCGGGCGG ACCGACTGGC GGGTTGCTGG GGGCGGGTAA CTGCAGTTAT TACTGCATAC AAGGGTATCA

6001 AACGCCAATA GGGACTTTCC ATTGACGTCA ATGGGTGGAG TATTTACGGT AAACTGCCCA CTTGGCAGTA CATCAAGTGT ATCATATGCC AAGTACGCCC
     TTGCGGTTAT CCCTGAAAGG TAACTGCAGT TACCCACCTC ATAAATGCCA TTTGACGGGT GAACCGTCAT GTAGTTCACA TAGTATACGG TTCATGCGGG
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Fig. 7E

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6101 CCTATTGACG TCAATGACGG TAAATGGCCC GCCTGGCATT ATGCCCAGTA CATGACCTTA TGGGACTTTC CTAGTTGGCA GTACATCTAC GTATTAGTCA
     GGATAACTGC AGTTACTGCC ATTTACCGGG CGGACCGTAA TACGGGTCAT GTACTGGAAT ACCCTGAAAG GATGAACCGT CATGTAGATG CATAATCAGT

6201 TCGCTATTAC CATGGTGATG CGGTTTTGGC AGTACATCAA TGGGCGTGGA TAGCGGTTTG ACTCACGGGG ATTTCCAAGT CTCCACCCCA TTGACGTCAA
     AGCGATAATG GTACCACTAC GCCAAAACCG TCATGTAGTT ACCCGCACCT ATCGCCAAAC TGAGTGCCCC TAAAGGTTCA GAGGTGGGGT AACTGCAGTT

6301 TGGGAGTTTG TTTTGGCACC AAAATCAACG GGACTTTCCA AAATGTCGTA ACAACTCCGC CCCATTGACG CAAATGGGCG GTAGGCGTGT ACGGTGGGAG
     ACCCTCAAAC AAAACCGTGG TTTTAGTTGC CCTGAAAGGT TTTACAGCAT TGTTGAGGCG GGGTAACTGC GTTTACCCGC CATCCGCACA TGCCACCCTC

6401 GTCTATATAA GCAGAGCTCG TTTAGTGAAC CGTCAGATCG CCTGGAGACG CCATCCACGC TGTTTTGACC TCCATAGAAG ACACCGGGAC CGATCCAGCC
     CAGATATATT CGTCTCGAGC AAATCACTTG GCAGTCTAGC GGACCTCTGC GGTAGGTGCG ACAAAACTGG AGGTATCTTC TGTGGCCCTG GCTAGGTCGG

6501 TCCGCGGCCG GGAACGGTGC ATTGGAACGC GGATTCCCCG TGCCAAGAGT GACGTAAGTA CCGCCTATAG AGTCTATAGG CCCACCCCCT TGGCTCGTTA
     AGGCGCCGGC CCTTGCCACG TAACCTTGCG CCTAAGGGGC ACGGTTCTCA CTGCATTCAT GGCGGATATC TCAGATATCC GGGTGGGGGA ACCGAGCAAT

6601 GAACGCGGCT ACAATTAATA CATAACCTTA TGTATCATAC ACATACGATT TAGGTGACAC TATAGAATAA CATCCACTTT GCCTTTCTCT CCACAGGTGT
     CTTGCGCCGA TGTTAATTAT GTATTGGAAT ACATAGTATG TGTATGCTAA ATCCACTGTG ATATCTTATT GTAGGTGAAA CGGAAAGAGA GGTGTCCACA

6701 CCACTCCCAG GTCCAACTGC AGGCCATGGC GGCCATCGAT T
     GGTGAGGGTC CAGGTTGACG TCCGGTACCG CCGGTAGCTA A
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Fig. 7F